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Cc: "Willard Potter" [otto@demaximis.com]; Mike Barbara" [mab.consulting@verizon.net]
From: "Robert Law"
Sent: Fri 8/17/2012 12:41:11 AM
Subject: Sediment Erosion Properties

I wanted to follow-up on our discussion this afternoon. I wanted to clearly state the CPG's current belief about the Han's approach and implementing it in Newark Bay to support the development of the LPR/NB Model by the CPG. It appears that HQI and AQEA have a different opinion on whether the Han's data can be used in the current version of SEDZLJ.

1. The CPG believes that using Han's methodology may require a fundamental change in the model framework. This may delay the model completion including Newark Bay. Is this an additional complication that may result in further delay that either EPA or CPG want to consider if the goal is to keep the model moving?

2. Both the EPA and the CPG believe they have achieved a relatively good calibration of the sediment transport model using the LPR sedflume data; it would seem that the combined strength of the current EPA and CPG modeling teams provide an unmatched resource to select sedflume cores in and analyze these data from Newark Bay.

3. The CPG Modeling Team needs to discuss the status of Han's methodology with him and determine if it has progressed to a point where it might be useful in supporting sediment transport modeling in Newark Bay while not requiring a major change to the current model. Han can draft a brief white paper and the CPG will review and forward it to the EPA in advance of the September EPA-CPG Modeling Collaboration Meeting

4. Since the CPG and Tierra are still working out how to work together a meeting next week is premature. Han will be attending the EPA-CPG Modeling Collaboration Meeting in September and any further discussion on this can occur at that time including the potential for Tierra to participate in that discussion.

Finally, I understand that Han's paper on his method has been accepted for publication "A conceptual framework for shear-flow induced erosion of soft cohesive sediment beds." (Winterwerp etal. in press). I also understand that Larry Sanford was a reviewer and he may be able to give you insight into the methods and possibly a copy of the paper.

Please contact me with any questions.

R/

Rob

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